



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

*Observationes Defectus Lunar̄is Grenovi-  
ci habitæ in observatorio Regio Fe-  
bruarij  $\frac{11}{21}$  1682. p. m. à Johan-  
ne Flamsteedio Math.*

*Reg.*

**U**T Testis esset & particeps harum *Observationum* Vespera præcedente *Grenovicum* devenerat D<sup>s</sup>. *Halleius*, aderat brevi postea D<sup>s</sup>. *Haltonus* Amicus meus singularis & *Geometra* peritissimus, cum alijs nonnullis *Matheseos* studiosis. Hora 8<sup>h</sup>. 01<sup>m</sup> Tubo pedum 16, *Lunæ* cepi Diametrum 6702 33'. 25", deinde distantiam Limbi ejus proximi a Limbo proximo *Mareotidis* 145-0' 43"; sed ejusdem Limbi *Maculæ* a Limbo *Lunæ* remotiore 6575-32' 48": Hora 8<sup>h</sup> 49<sup>m</sup> Oram *Lunæ* inferiorem Fumus cæpit inficere *Eclipsis* mox ingruentis prænuncius. Constitueramus Turbæ vitandæ causâ seorsim observare, Recessit ergo D<sup>s</sup>. *Halleius* cum Amanuensi meo *Tho. Fabro* ut per *Telescopia* supra Sextantem *Phasibus* invigilarent, manente mecum D. *Haltono*. Tubo usus sum antedicto pedum 16 cum *Micrometro*; cujus ope nedum Umbræ ad *Maculas* appulsus sequentes, sed etiam Tempora, cum Obscuratio ad centrum *Lunæ* pertigerit, & cum *Radius* ejus arcus in *Peripheria* deficientes vel restitutos subtenderit, obtinui: è quibus medium derivari potest, forsân non minus accurate, quam ab *Observatis* Initio & Fine Immersione & Emerfione collatis.

Hiscæ alias ejusdem *Defectus* Animadversiones *Londin* in Vico *Basingensi* à D. *Haynesio* Tubo pedum 8 factas addiditum propter earum cum nostris Consensum, tum ut inde innotescat quam non difficile sit accurate *Lunar̄is Eclipsis* Phases determinare, quicquid inexperti è contrario edisserunt, si modo attentis sint, & necessarijs pauculis Instru-  
mentis instructi *Cœlispices*. *ECLIPSIS*

## ECLIPSIS LUNÆ

Feb. 11. 1682.

## OBSERVATIONES

Tempora Phasium per Horotogia  
Oscillatoria correcta

	Grenovici in Observatorio			Londini		
	Mihi.	Do. Halleio.	Do. Haynesio.			
	h. ' "	h. ' "	h. ' "			
Umus ad Oram Inferiorem. Nudis Oculis	8. 48. 38					
Umbrago	9. 04. 08					
Densa Penumbra	11. 44					
Initium	12. 32	9. 13. 04	9. 12. 13			
Medium Paludis Marcotidis rectum	14. 02		forte citius			
Tota Palus recta		14. 39	13. 48			
Sexta pars Peripheriæ obscurata	18. 10					
Circina intra Umbram	20. 10					
Perphirite. Medium		21. 01				
Umbra stringit Sybonem		21. 09				
Limbus primus monis Cataractes vel Gassendi	21. 32					
Oculus Draconis	27. 58					
Legebat Limbos primos Cretæ & Atriæ	28. 22	28. 44	28. 19			
Atriæ totus rectus, Incipit Hiera	29. 48	30. 16	30. 12			
Hiera to		30. 44				
Initium Corsicæ	9. 33. 46					
Medium Corsicæ		9. 34. 48				
Sina Mons Incipit	36. 38	37. 10	9. 36. 20			
Sinæ medium	37. 22					
Totus Sinæ rectus	38. 04	38. 10	38. 20			
Centrum Lunæ sive Digiti VI	38. 48					
Incipit Lacus Niger Major	39. 58	40. 36				
Medium Lacus Nigri Majoris			40. 48			
Totus tegitur Lacus		41. 40				
Initium Besbici		43. 48				
Medius Besbicus	43. 42		44. 13			
Totus Besbicus & stringit Pontum Euxinum		44. 36				
Incipit Byzantium	46. 58					
Incipit Hominius	47. 22					
Carpathes	47. 50					
Mons Serrorum	48. 30					
Apollonia	50. 24	51. 21				
Macra	52. 44	53. 33				
Mons Hercules	54. 26					
Macra tota recta		54. 53				
Mons Hercules totus		55. 33				
Corocondometis Palus	59. 10					
Per medium Lacum Hyperboreum superiorem		59. 53				
Corocondometes tota recta	10. 00. 38					
Umbra per Montem Coracem		10. 01. 17				

Stringit

Tempora Plurimum per Horologia  
Oscillatoria correcta.

	Grenovici in Observatorio			Londini		
	Mibi.			D <sup>o</sup> Halleio		D <sup>o</sup> Haynesio
	h.	l.	ll.	h.	l.	ll.
Stringit <i>Meotida</i> —————	2.	20		2.	38	
per <i>Lacum Hyperboreum</i> inferiorem ———				3.	53	
per medium <i>Insulae</i> Majoris —————	5.	14				
Tota fere <i>Meotis</i> recta —————	6.	54		8.	00	10. 06. 48
Sexta Pars <i>Peripheriae</i> lucida residua ———	7.	28				
<i>Immersio</i> —————	10.	14		10.	11	9. 48
<i>Emergio</i> —————	11.	47.	38	11.	47.	09
Sexta pars <i>Peripheriae</i> illuminata, cum Limbo 10. <i>Mareotis</i> ———	50.	02		50.	07	
Medium <i>Mareotidis</i> —————	50.	42				50. 48
Tota <i>Mareotis</i> illuminata —————	51.	06		50.	58	
Umbra per medium <i>Porphiritidis</i> —————	52.	50				
Totus <i>Porphirites</i> rectus —————	53.	34				52. 54
<i>Circiana</i> tota —————	58.	18				
Stringit Sinum <i>Syrbonis</i> —————				58.	59	
Cataractes <i>Syrbonis</i> , vel <i>Gessendus</i> totus ———	12.	01.	00	12.	03.	14
<i>Hiera</i> incipit —————	3.	20				
<i>Alina</i> incipit <i>Emergere</i> —————						12. 03. 48
per medium <i>Lacus Nigri</i> Majoris —————				4.	19	
per medium <i>Alinae</i> —————				5.	04	5. 45
<i>Alina</i> totus rectus —————	5.	18				
<i>Creta</i> illuminat r —————	12.	07.	34			12. 13. 43
<i>Sina</i> incipit —————	13.	38				
<i>Sina</i> medium —————	14.	28		12.	14.	12
<i>Sina</i> totus —————	15.	34		14.	55	
Medium <i>Besbici</i> —————	17.	34				17. 48
Centrum <i>Lunae</i> , five <i>Digitus</i> VI rectus ———	18.	28				
Per medium <i>Lacum Hyperboreum</i> superiorem ———				19.	5	
Umbra per medium <i>Byzantii</i> —————						20. 18
<i>Byzantium</i> extra —————	20.	50		20.	25	
<i>Macra</i> tota —————				22.	36	
<i>Insula Apollonia</i> tota & <i>Horminius</i> —————	24.	24		24.	16	
<i>Lacus Hyperboreus</i> inferior —————				26.	06	
Mons <i>Heracles</i> —————				30.	56	31. 18
Medium <i>Corocondomitidis</i> ad Umbram ———	31.	38				
Mons <i>Covax</i> —————				32.	37	
<i>Meotis</i> incipit illustrari —————	33.	18				33. 18
<i>Meotis</i> tota recta —————				37.	57	32. 03
Sexta pars <i>Peripheriae</i> obscura residua ———	39.	06				
Media <i>Insulae</i> Majoris <i>Caspiae</i> —————				43.	22	42. 18
Tota <i>Insula</i> recta —————	42.	18				
Dubius <i>Finis</i> —————	45.	10				44. 43
<i>Finis</i> certe —————	12.	45	38	12.	44.	35
						12. 45. 18

*Ingruente Eclipsi Distantias Lunæ a Fixis Seclante  
ceperant D<sup>s</sup>. Halleius cum Tho. Fabro sequentes.*

Tempora per hor. correct.		<i>Distantia</i>
h. l. ll.		o. l. ll
8. 53. 07	Limbi Lunæ remotioris a Regulo——	8. 05. 20
55. 07	—————repet.	8. 06. 20
9. 02. 34	Limbi Lunæ rem. a lucid. in Lumbis s. s.	14. 58. 15
4. 18.	—————repet.	14. 57. 55
8. 42	Limbi Lunæ remot. a Regulo iterum	8. 12. 50
<i>Luna in Umbram penitus mersa</i>		
<i>D<sup>s</sup> Halleius mecum.</i>		
10. 19. 21	Limbi Lunæ proximi a Regulo——	8. 13. 30
11. 38. 06	—————remoti a Regulo	9. 23. 50
41. 48	—————repet.	9. 25. 35
<i>E finita Eclipsi</i>		
12. 52. 00	Limbi remotioris a Regulo iterum	9. 58. 20
55. 10	—————denuò	10. 00. 00

*An*